BRUHAT BANGALORE MAHANAGARA PALIKE

Name of work: Improvements to footpath and drains in ward no.07 byatarayanapura
Estimated Cost:- 20.00 akhs

Estimate

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Estimated Cost:- 20.00 lakhs

S.N	DESCRIPTION OF WORK	Unit	N	L	B	D	QTY	RATE	AMOUNT
1	2	3	4	5	6	7	8	9	10
1	KSRRB 300-1. Earthwork excavation by manual means in ordinary soil involving an average horizontal throw upto 2 m and an average lift upto 1.5m, excavated surafce levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking clods complete as per specifications. (Pg No.143.Item No.19.1)								
	Basic Rate:	cum	**130.00**						
	Area Weightage @ 6%		7.80						
	Total		**137.80**						
	Culverts		13	6.00	1.60	0.90	112.32		
	Desilting of drains		1	1750.00	0.60	0.60	630.00		
	over buden earth		10	41.00	0.90	0.75	276.75		
					TOTAL		**1019.07**	137.80	**140428.00**
2	Providing and laying in position plain cement concrete of mix 1:3:6 with OPC @ 220kgs, with crushed 40mm and down size graded granite metal coarse aggregates @0.89cum and fine aggregates @0.46cum, in foundation mechanically mixed, placed in foundation and compacted by vibration inlcuding curing for 14 days including cost of all materials labour, HOM curing, form works, scaffolding and centering complete as per specification . (Pg.No.222, It.27.18)								
	Basic Rate:	cum	5115.00						
	4.4*103.69		456.24						
	Sub total		5571.24						
	Area Weightage @ 6%		334.27						
	Total		**5905.51**						
	Culverts bottom		13.00	6.00	1.60	0.15	18.72		
	For ramps		26.00	6.00	0.60	0.15	14.04		
					TOTAL		**32.76**	5905.51	**193465.00**
3	KSRB 5.3-1:Providing and constructing granite /trap/basalt size stone masonry in foundation with cement mortar 1:6, stone hammered dressed in courses not less than 20cms hign, bond stones at two m apart in each course including cost of materials, labour, curing etc., complete as per specifications.(P-25. Item No. 5.6)								
	Basic Rate:	cum	4596.00						
	Area Weightage @ 6%		275.76						
	Total		**4871.76**						
	Culvert		26	6.00	0.45	0.90	63.18		
					TOTAL		**63.18**	4871.76	**307798.00**

	KSRRB M200-5.1: Providing and laying cement concrete of mix 1:2:4 with OPC @ 240 Kgs with 40mm and down size graded granite metal coarse aggregates @ 0.63cum and fine aggregates @0.42 cum including cost of materials, labour, HOM curing, form works scaffolding and centering complete as per MORTH section:2200 & IS 456, A) Upto 5mtr height.(Pg No.226, It No.28.7.1)								
	Basic Rate:	cum	5421.00						
	4.8*103.69		497.71						
	Sub total		5918.71						
	Area Weightage @ 6%		355.12						
	Total		6273.83						
	Culvert vent portion		13	6.00	0.60	0.15	7.02		
	Culvert side wall coping		26	6.00	0.45	0.10	7.02		
	For ramps		26	6.00	0.60	0.15	14.04		
					TOTAL		28.08	6273.83	176170.00
5	Providing and fixing 20 cm thick pre cast RCC covering slab using reinforced cement concrete M 20 mix with stone aggregate 20 mm and down size including centring shuttering reinforcement and bar bending machine mixed concrete laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing comlete as per specification (Data Rate)								
	Culvert		130	1.50	0.60		117.00		
					TOTAL		117.00	5418.00	633906.00
6	Providing and fixing 10cms thick pre cast RCC covering slab using reinforced cement concrete M20 mix with stone aggregate 20mm and down size including centring shuttering reinforcement and bar bending machine mixed concrette laid in layers not exceeding 15 cm thick wellcompacted cost of all materials labour curing complete as per specfications (Data Rate Approved)								
	Drain covering slab		225	0.60	0.75		101.25		
					TOTAL		101.25	2337.00	236622.00

7	KSRRB M100-1 Loading and unloading of stone boulder/stone aggregates/ sand/ kanker/ moorum. KSRRB M100-1:Placing tipper at loading point loading with front end loading, dumping turning for return trip, excluding time for haulage and return trip complete as per specification MORTH Chapter 1 (Page								
	Basic Rate	cum	57.00				1019.07	94.34	96140.00
	Rs. 2.50 Tonne Km.								
	Average Weight of earth 1.28 Tonne/Km.								
	For 10 Km								
	Rs.2.50X1.28TonneX10K		32.00						
	Total		89.00						
	Add Area Weightage6%		5.34						
			94.34						
8						Sub Total			1784529.00
9				Add 12% GST charges					214143.48
10				Miscelleneous charges					1327.52
11						Total			2000000.00

1)This is certified that the work spot comes under BBMP limits only.

2) The work spot is inspected by me

3) The items Provided in the Estimate are quite Essential

4)The rates are as per CSR of 2018-19 year of PWD Bangalore Circle.

Asst.Engineer
Ward no.7

Asst.Exe.Engineer
Kodigehalli Sub division
B.B.M.P.

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

15/11

Executive Engineer
Byatrayanapura Division
B.B.M.P.

15/11

Administrative Approval
Accorded For 20.00 Lakhs only
Head of A/C POW
CER NO : 94 Dt. 13/12/21

LTA

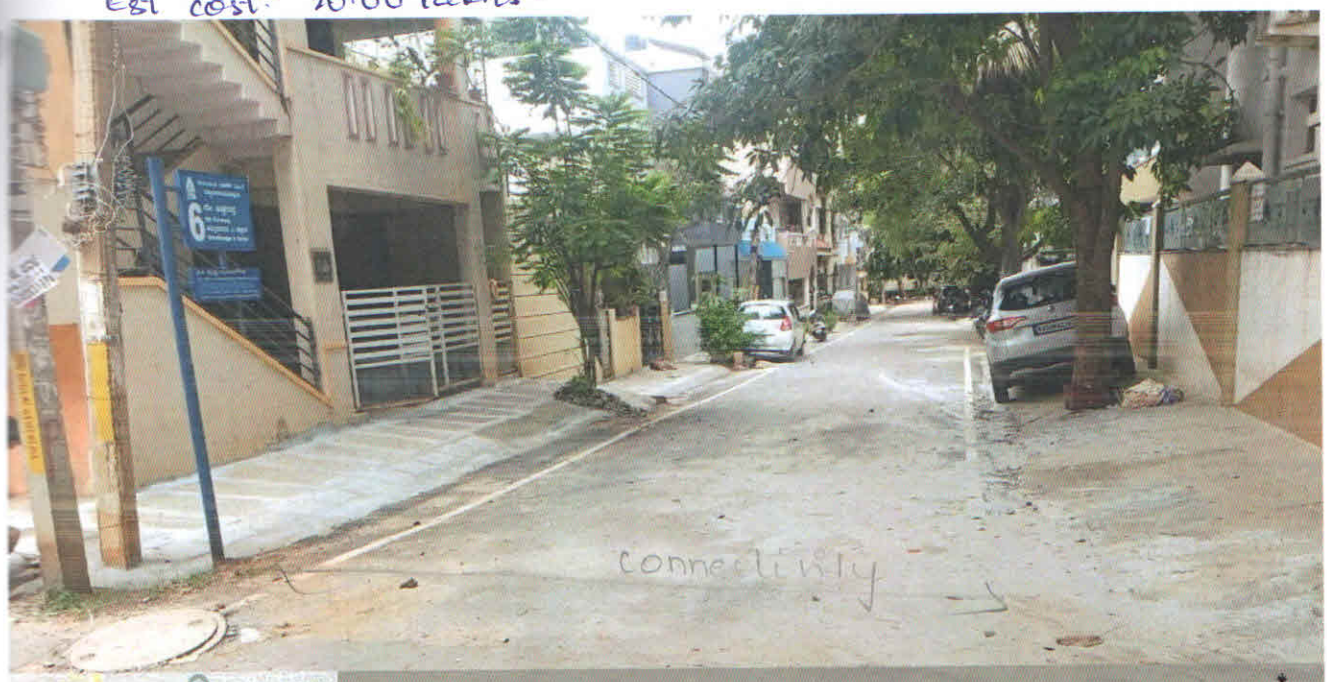
CE (TNQ)

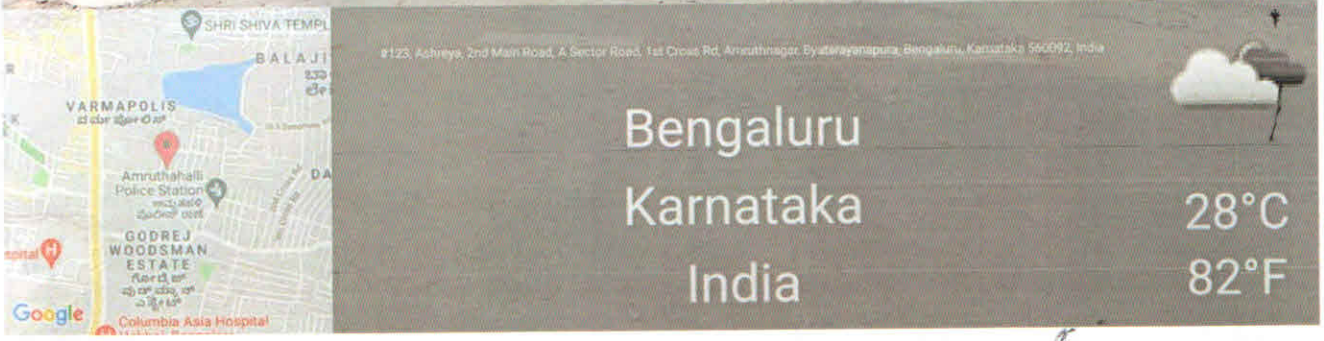
TECHNICAL SANCTION
Accorded For Rs. 20.00 Lakhs only
Head of A/C POW
Div. Ref. No. 38 Date. 16/02/22

AE 16/02

EE(BTP) 16/02

Improvements to footpath and drains in ward no. 07.
Est cost: 20.00 lakhs.

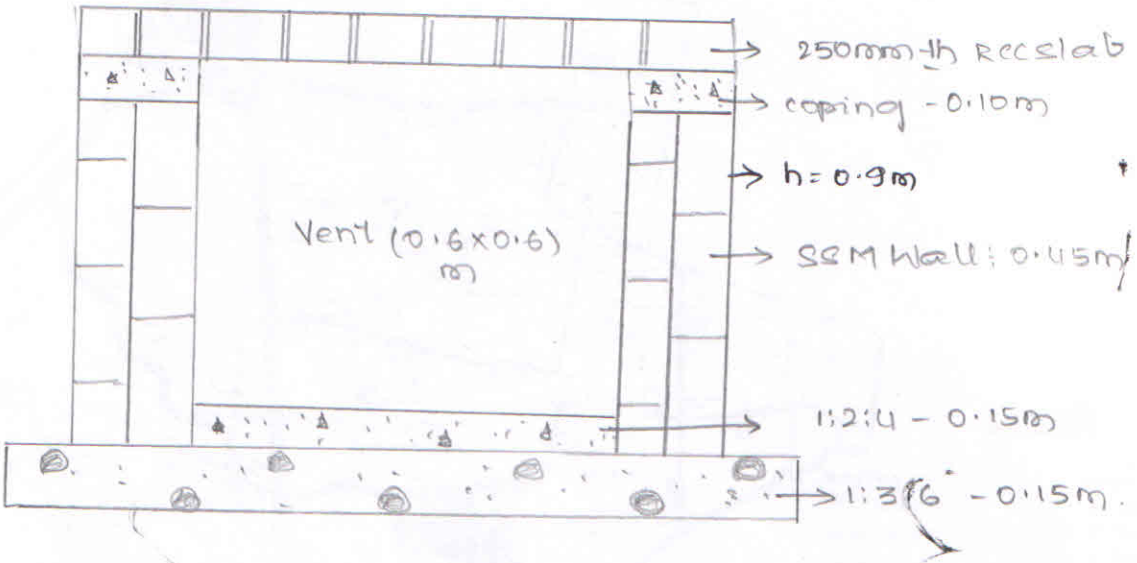




AEE(W.N.D.)
DE(W)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

Name of Work:- Improvements to footpath and drains in ward no.07.



Cross section of culvert.

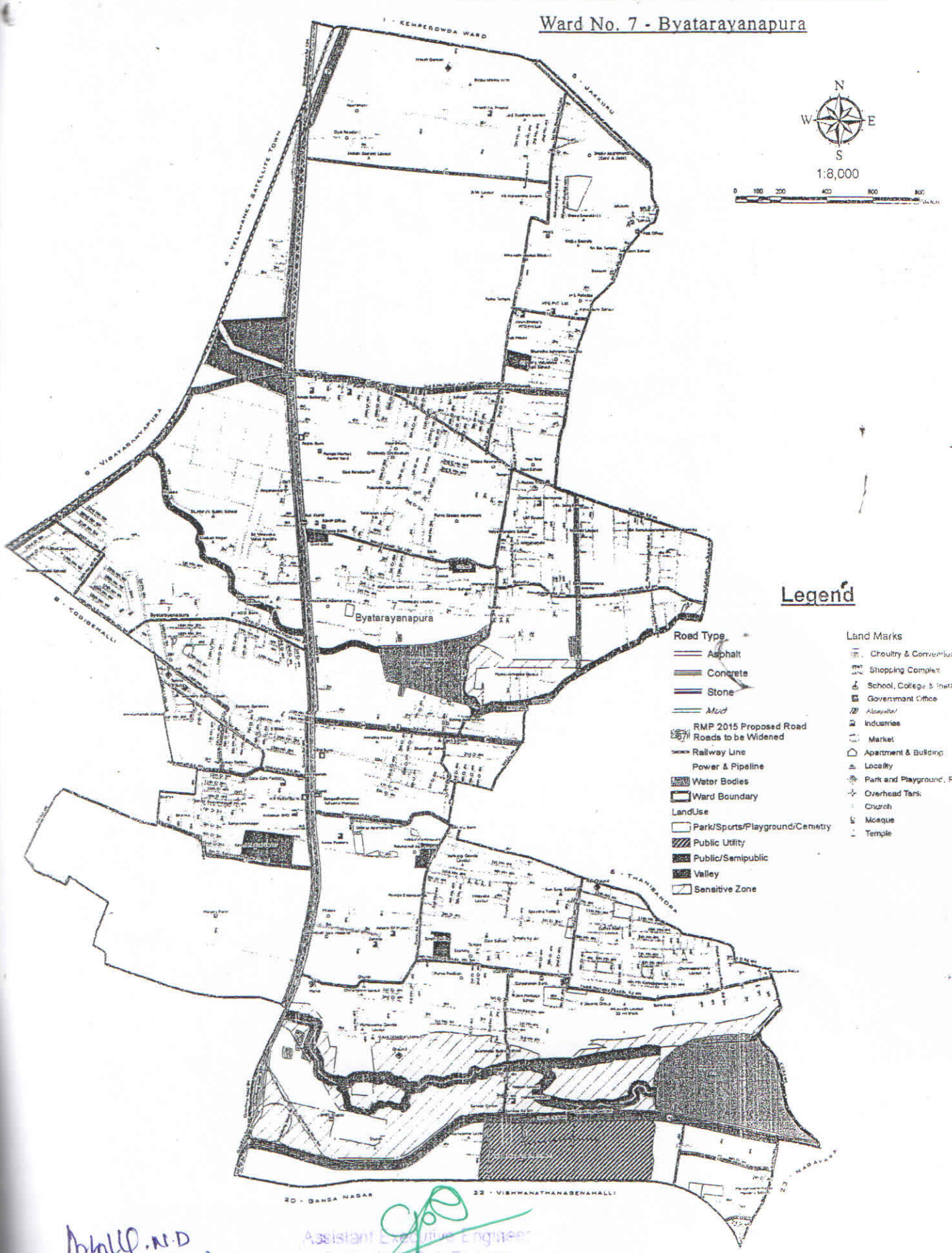
AE(NS)

Assistant Executive Engineer
Kodigehalli Sub Division
Bruhat Bangalore Mahanagara Palike
Bangalore - 560 092

BRUHATH BANGALORE MAHANAGAR PALIKE

Yelahanka Zone - Byatarayanapura Sub-division

Ward No. 7 - Byatarayanapura



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Kodigehalli Sub Division
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AREA: 9.60 Sq Kms